IN THE SPECIFICATION

1. On page 3, please replace lines 24-33 with the following:

The marker PGIol which is amplified using the primers: PGIol U
  and PGIol L
  (PGIol U: 5'TCATTTGATTGTTGCGCCTG3' (SEQ ID NO:6) ;
  PGIol L: 5'TGTACATCAGACCCGGTAGAAAA3' (SEQ ID NO:7))
- The marker PGIint which is amplified using the primers: PGIint
  U and PGIint L
  (PGIint U: 5'CAGCACTAATCTTGCGGTATG3' (SEQ ID NO:8);
  PGIint L: 5'CAATAACCCTAAAAGCACCTG3' (SEQ ID NO:9))
- The marker PGIUNT which is amplified using the primers: PGIol U
  and PGIint L:
  (PGIol U: 5'TCATTTGATTGTTGCGCCTG3' (SEQ ID NO:10);
  PGIint L: 5'CAATAACCCTAAAAGCACCTG3' (SEQ ID NO:11))
  -     The marker BolJon which is amplified using the primers:
        BolJon U and BolJon L:

2. Please replace page 4 with the following:

(BolJon U: 5'GATCCGATTCTTCTCCTGTTG3' (SEQ ID NO:12);
  BolJon L: 5'GCCTACTCCTCAAATCACTCT3' (SEQ ID NO:13))
- The marker CP418 which is amplified using the primers: SG129 U
  and pCP418 L:
  (SG129 U: cf Giancola et al, 2003 *Theor Appl. Genet. (in
  press)*
  pCP418 L : 5'AATTTCTCCATCACAAGGACC3') (SEQ ID NO:14)
Another object of the present invention relates to the PGIol,
PGIUNT, PGIint, BolJon and CP418 markers whose sequences follow:
PGIol R2000 marker:

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TCATTTGATT GTTGCGCCTG TCGCCTTGTT GTGTTATGAT GAATGAACAG CAGTCATTTA  60
ACATGTGGTT AACTTAACAG GGCTCCGGCT GTTGCAAAAC ACATGGTTGC TGTCAGCACT 120
AATCTTGCGG TATGAATTTG TGATTAAATT TGTTTGTTTG TGACTCTTTC TTCATTGTTC 180
GTTTTCGTAC AATAAACCGA ATGTATAATC TTTTTACAAA CTGAATTTTC TACCGGGTCT 240
GATGTACA                                                         248
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(SEQ ID NO:1)

PGIUNT R2000 marker:

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TCATTTGATT GTTGCGCCTG TCGCCTTGTT GTGTTATGAT GAATGAACAG CAGTCATTTA   60
ACATGTGGTT AACTTAACAG GGCTCCGGCT GTTGCAAAAC ACATGGTTGC TGTCAGCACT  120
AATCTTGCGG TATGAATTTG TGATTAAATT TGTTTGTTTG TGACTCTTTC TTCATTGTTC  180
GTTTTCGTAC AATAAACCGA ATGTATAATC TTTTACAAAC TGAATTTTCT ACCGGGTCTG  240
ATGTACAATG CTAGTCTCCA TGTTCTTGGG GATCATGATT TATTTTCTAC ATGTATTCAG  300
ACAGTACAGA AGAAAGTGTT CAAAACTCTG GATGTTTTAA TTTACAGTTA GTGGAGAAGT  360
TCGGCATTGA TCCGAACAAT GCATTTGCAT TTTGGGACTG GGTTGGTGGA AGGTACAGTG  420
GTAAGTGCTT GTTTATTTGG TTGTATAAAT TTCTCGTCCA TTTCCGCTTG CTTAGTGTAT  480
AACTGAAATT CTTTTGCAGT TTGCAGTGCT GTTGGAGTCT TACCATTGTC TCTACAGTAT  540
GGCTTCTCTG TGGTTGAGAA GTACGGTACC TTCTACTTTA TCAGCCATCT CATAAAATGT  600
CTTAGGCATA TTCTTTCTAT TTTATTTCCC TCTTAATGAT TTCTTCTTTT TTTATTGCA  660
TTCCCGTTTT ATTTTCAAAA GTTGTTACTG TCTCTAAATC AAGAAGAAAC CTTCTTAGTA  720
GATCCAGCTG ATATTCAGCC TTTTTTAAAT TGGACTGCAG GTTTTTAAAG GGGAGCTTCA  780
AGCATTGATA AGCATTTCCA GTCCACACCG TTTGAGAAGA ATATACCCGT GAGTTGCATT  840
AGTTGTGTGA TTATACAGTT TTCTTGTCTT TTTGCTATGT CCATCAACAC TAGAGATTCG  900
TGAAGTTATT AGTGTAGTCA ACGCATAGGG AGAGGTGATT GGTGACTTTT GGACGATTTC  960
AGGTGCTTTA GGGTTATTG                                               979
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(SEQ ID NO:2)

PGIint R2000 marker:

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CAGCACTAAT CTTGCGGTAT GAATTTGTGA TTAAATTTGT TTGTTTGTGA CTCTTTCTTC   60
ATTGTTCGTT TTCGTACAAT AAACCGAATG TATAATCTTT TACAAACTGA ATTTTCTACC  120
GGGTCTGATG TACAATGCTA GTCTCCATGT TCTTGGGGAT CATGATTTAT TTTCTACATG  180
TATTCAGACA GTACAGAAGA AAGTGTTCAA AACTCTGGAT GTTTTAATTT ACAGTTAGTG  240
GAGAAGTTCG GCATTGATCC GAACAATGCA TTTGCATTTT GGGACTGGGT TGGTGGAAGG  300
TACAGTGGTA AGTGCTTGTT TATTTGGTTG TATAAATTTC TCGTCCATTT CCGCTTGCTT  360
AGTGTATAAC TGAAATTCTT TTGCAGTTTG CAGTGCTGTT GGAGTCTTAC CATTGTCTCT  420
ACAGTATGGC TTCTCTGTGG TTGAGAAGTA CGGTACCTTC TACTTTATCA GCCATCTCAT  480
AAAATGTCTT AGGCATATTC TTTCTATTTT ATTTCCCTCT TAATGATTTC TTCTTTTTTT  540
TATTGCATTC CCGTTTTATT TTCAAAAGTT GTTACTGTCT CTAAATCAAG AAGAAACCTT  600
CTTAGTAGAT CCAGCTGATA TTCAGCCTTT TTTAAATTGG ACTGCAGGTT TTTAAAGGGG  660
AGCTTCAAGC ATTGATAAGC ATTTCCAGTC CACACCGTTT GAGAAGAATA TACCCGTGAG  720
TTGCATTAGT TGTGTGATTA TACAGTTTTC TTGTCTTTTT GCTATGTCCA TCAACACTAG  780
AGATTCGTGA AGTTATTAGT GTAGTCAACG CATAGGGAGA GGTGATTGGT GACTTTTGGA  840
CGATTTCAGG TGCTTTAGGG TTATTG                                       866
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(SEQ ID NO:3)

3. On page 5, please replace lines 1-33 with the following:

BolJon R2000 marker:

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GATCCGATTC TTCTCCTGTT GAGATCAGCT CCAAACATCA AACAACTTGT ACACAAATAT   60
CTTTACTTGC TAAATGGAAC ATGACAAGAG ATAGAAAATC TTGCTCATAG TATTGTACAA  120
GGGATAACAG TGTAGAAAAC AAACCGTCTG TAAGATTTTC TCCCTGATCC TCTCACTTAA  180
CCAGTAGGCG TTTTTCACAT TGAAGCGCAT ATCTACTTTG GTATTCACTG AATAAAAAAA  240
GAAAGCTGGT AACATGTGAA GGATATACAA GCATTGATAC ACCAAGTAGT CACAAACTAC  300
ATTATAAAGG TCAGACCTTT GTTCACATTC TGGCCTCCAG GACCACCGCT TCTAGCAAAG  360
TTAAGCGTAA CATGGTCTGC ACGTATACAA ATGAAAATGT TTCTATCAAA ATCCTATAAA  420
ATAGAGCTCT ATAACATTGT CGATACATAG TTTCACTAAC TCTGCAAGTA CTAAACACAT  480
ATACAAACAA AACTATGCGA ACAGATCAAA ACTACTACAG AACACAGTTC TATGACACTG  540
TCGATAGTAA CATCCTCTGC AAGTACCAAA GAGATAGCAA ATGAAACTAT GTAAACAAAT  600
CAAAATTCTA AATTTCTCCA TCACAAGGAC CTACAGAATA GAGTTATCAT AACATTTTCT  660
GTAAATATTT CCATCAAAAT GACTAGAGAA CAGAGTTCTT ATAACATTAT CTGTAAATGT  720
TCCAACAAAA CCACTACATA GCAGAGTTCT TATAACATTG TCTGTAAATG TCCAATCAAA  780
ACCACTACAG AACAAAGCTC CTATAACATT GTTTATACAA AGTTTCACTA AATCTACAAA  840
CTTTCCCCGT AAATGAGCTT AATATCACCC AAAGATGTTT CAATCAGATA AAGAGTACGA  900
CATCGTTTTG AGATTAGAAC AAACTGAAAC TTACGTAGAG TGATTTGAGG AGTAGGC     957
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(SEQ ID NO:4)

CP418L R2000 marker:
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AATTTCTCCA TCACAAGGAC CTACAGAATA GAGTTATCAT AACATTTTCT GTAAATATTT  60
CCATCAAAAT GACTAGAGAA CAGAGTTCTT ATAACATTAT CTGTAAATGT TCCAACAAAA 120
CCACTACATA GCAGAGTTCT TATAACATTG TCTGTAAATG TCCAATCAAA ACCACTACAG 180
AACAAAGCTC CTATAACATT GTTTATACAA AGTTTCACTA AATCTACAAA CTTTCCCCGT 240
AAATGAGCTT AATATCACCC AAAGATGTTT CAATCAGATA AGAGTAACG ACATCGTTTT 300
GAGATTAGAA CAAACTGAAA CTTACGTAGA GTGATTTGAG GAGTAGGCTC GTTGCCAGCA 360
GAGCTAGCTC TCTCCTCCGC CTCATGAAGC ATCTGTTGCA CCTGAGACAA CCGTGACGAA 420
ACTTTCCGAT CACCGCCACC AGAATTCGAC GCCGCGCATC GGAAGGATCC GAATCGGGAA 480
CTGAGTGAAC CCGAGCGATC CCGGGAGTGC GACGGAGCGA TGGGAAAAGA GAGTGGCACG 540
ATTTCGACGA AGAGTGGAAG AGGAGAGGGT GGTGGATAAA CTCGCGTATG ATCAAGTTCG 600
TCATCGTCCT GATTGCCGCC ATTTTTTTTG TCAGGGCGCT CTGTGGCTTA GAAGTTTCCG 660
ATGTCAATGA AC                                                    672
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(SEQ ID NO:5)